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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Cube/2019-20

13.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Drain Vent & Coping Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{10}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	13.02.2020
Report Issue Date	:	13.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.01.2020	13.02.2020	8.225	265.6	11.80
2	16.01.2020	13.02.2020	8.387	273.5	12.16
3	16.01.2020	13.02.2020	8.405	284.6	12.65

*Information is furnished by the Customer/Representative.

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e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Cube/2019-20

13.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Drain Vent & Coping Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{10}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	13.02.2020
Report Issue Date	:	13.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.01.2020	13.02.2020	8.102	260.5	11.58
2	16.01.2020	13.02.2020	8.219	270.8	12.04
3	16.01.2020	13.02.2020	8.339	289.6	12.87

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Precast Slab/2019-20 27.01.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagara west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Precast Slab (100mm thick)
* Grade of Concrete	:	M_{20}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	25.01.2020
Date of Testing	:	27.01.2020
Report Issue Date	:	27.01.2020

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	83.00	0.415	2546.48	1.66	0.963	31.50	16.04	17.33	17.99	22.48
2	50.00	81.00	0.413	2596.78	1.62	0.959	32.50	16.55	17.88	18.64	23.30
3	50.00	85.00	0.421	2522.51	1.70	0.968	33.05	16.83	18.18	18.79	23.48

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Precast Slab/2019-20 — 27.01.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagara west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Precast Slab (250mm thick)
* Grade of Concrete	:	M_{20}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	25.01.2020
Date of Testing	:	27.01.2020
Report Issue Date	:	27.01.2020

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.390	2514.25	1.58	0.955	29.25	14.90	16.09	16.85	21.07
2	50.00	84.00	0.415	2516.16	1.68	0.965	30.60	15.58	16.83	17.43	21.79
3	50.00	82.00	0.405	2515.42	1.64	0.961	31.20	15.89	17.16	17.86	22.32

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Cube/2020-21

22.09.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.09.2020
Report Issue Date	:	22.09.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.08.2020	22.09.2020	8.158	502.4	22.33
2	25.08.2020	22.09.2020	8.216	512.6	22.78
3	25.08.2020	22.09.2020	8.325	532.8	23.68

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Lab No: CTCE/ BBMP/ MKB/ W.No.06/ CSR 112b/ Cube/ 2020-21 22.09.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	: **Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	: Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	: BBMP/ EE/ BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	: RCC Drain Bottom Slab Concrete
Test Method as per	: IS - 516 : 1959 (RA-2018)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 22.09.2020
Report Issue Date	: 22.09.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.08.2020	22.09.2020	8.112	478.5	21.27
2	25.08.2020	22.09.2020	8.290	504.6	22.43
3	25.08.2020	22.09.2020	8.380	512.9	22.80

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Cube/2020-21

22.09.2020

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* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.09.2020
Report Issue Date	:	22.09.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.08.2020	22.09.2020	8.290	504.5	22.42
2	25.08.2020	22.09.2020	8.328	514.9	22.88
3	25.08.2020	22.09.2020	8.339	535.9	23.82

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	RCC Drain Side Wall Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	30.09.2020
Report Issue Date	:	30.09.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.09.2020	30.09.2020	8.118	505.4	22.46
2	02.09.2020	30.09.2020	8.298	514.6	22.87
3	02.09.2020	30.09.2020	8.315	538.9	23.95

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	RCC Drain Side Wall Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	30.09.2020
Report Issue Date	:	30.09.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.09.2020	30.09.2020	8.358	505.5	22.47
2	02.09.2020	30.09.2020	8.495	515.4	22.91
3	02.09.2020	30.09.2020	8.256	529.6	23.54

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/CEMENT/2019-20

Date: 09.12.2019

TEST REPORT ON CEMENT

*** Customer**	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
*** Agency**	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
*** Name of Work**	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
*** Reference**	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
*** Sample ID**	:	Cement
Sample Received on	:	07.12.2019
Period of Testing	:	07.12.2019 to 09.12.2019
Report Issue Date	:	09.12.2019

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	390 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1 mm	Not more than 10mm

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/SAND-Gradation/2019-20 09.12.2019

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	: **Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of Work	: Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	: Fine Aggregates (Manufactured Sand)
Test Method As Per	: IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received On	: 07.12.2019
Date of Testing	: 09.12.2019
Report Issue Date	: 09.12.2019

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.40	90-100	90-100	90-100	95-100
2.36	78.20	60-95	75-100	85-100	95-100
1.18	65.60	30-70	55-90	75-100	90-100
600 Micron	40.40	15-34	35-59	60-79	80-100
300 Micron	20.20	5-20	8-30	12-40	15-50
150 Micron	7.90	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

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Remarks : This sample is under Zone-II specific limits.

Note 1 :
For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2 :

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Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/AGG/GR/2019-20

09.12.2019

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of Work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Coarse Aggregates (40mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received on	:	07.12.2019
Date of Testing	:	09.12.2019
Report Issue Date	:	09.12.2019

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.90	95-100	85-100
20	39.80	30-70	0-20
10	15.56	10-35	0-5
4.75	2.52	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

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Note:

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/AGG/GR/2019-20 09.12.2019

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of Work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Coarse Aggregates (20mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963(RA-2016)
Sample Received on	:	07.12.2019
Date of Testing	:	09.12.2019
Report Issue Date	:	09.12.2019

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
40	100	100	100
20	97.90	95-100	85-100
10	40.78	25-55	0-20
4.75	7.08	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/MKB/W.No.06/Steel/2019-20

16.12.2019

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Samples ID	:	8mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2016)
Date of Testing	:	16.12.2019
Report Issue Date	:	16.12.2019

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	8	0.39	510	551	13.05	O.K	O.K

*Information is furnished by the Customer/Representative.

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Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/MKB/W.No.06/Steel/2019-20

16.12.2019

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Samples ID	:	10 mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2016)
Date of Testing	:	16.12.2019
Report Issue Date	:	16.12.2019

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	513	554	13.15	O.K	O.K

*Information is furnished by the Customer/Representative.

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/SAND-Gradation/2019-20 06.01.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of Work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
*Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
*Sample ID	:	Sand for masonry mortars
Test Method As Per	:	IS : 2116 : 1980 (RA-2017)
Sample Received on	:	04.01.2020
Date of Testing	:	06.01.2020
Report Issue Date	:	06.01.2020

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS : 2116 - 1980 (RA-2017)
4.75	100.00	100
2.36	98.50	90-100
1.18	95.30	70-100
600 Micron	77.30	40-100
300 Micron	55.70	5-70
150 Micron	13.90	0-15

* Information is furnished by the Customer/Representative

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Remarks : This tested sample satisfies requirement.

Note:

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/SAND-Gradation/2019-20 20.01.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

*** Customer**	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
*** Agency**	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
*** Name of Work**	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
***Reference**	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
***Sample ID**	:	Sand For Pointing
Test Method As Per	:	IS - 1542 : 1992 (RA-2019)
Sample Received on	:	18.01.2020
Date of Testing	:	20.01.2020
Report Issue Date	:	20.01.2020

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specification Limits as per IS : 1542 - 1992 (RA-2019)
10	100	100
4.75	98.00	95-100
2.36	96.90	95-100
1.18	93.90	90-100
600 Micron	88.70	80-100
300 Micron	46.20	20-65
150 Micron	10.20	0-15

* Information is furnished by the Customer/Representative

Remarks : This tested sample satisfies requirement.

Note:

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Job No.: CTCE/BBMP/MKB/W.No.06/CSR-1126j/Cube/2019-20 13.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. Mohan Kumar.B** (M/s.Mohan Construction), #10, 1st Main Road, Havanuru Layout, Nagasandra (P), Bangalore - 560073.
* Name of the work	:	Improvements to roads and construction of culverts at Ramakrishna Heggadenagar west side in Ward No.06, Byatarayanapura Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/ /2019-20 Dated : 28.11.2019
* Sample ID	:	Drain Vent & Coping Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{10}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	13.02.2020
Report Issue Date	:	13.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.01.2020	13.02.2020	8.158	265.6	11.80
2	16.01.2020	13.02.2020	8.216	275.8	12.26
3	16.01.2020	13.02.2020	8.328	284.6	12.65

*Information is furnished by the Customer/Representative.

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